

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| S1    | 785  | 704/226.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/13 17:01 |
| S2    | 5    | alves-rogerio-g.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/13 16:27 |
| S3    | 20   | ("5012519" "7146316" "6351731"<br>"6377637" "6839666"<br>"20050240401" "7072831"<br>"7068798" "6415253"<br>"20040064307").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/13 17:03 |
| S4    | 27   | ("5133013"   "5550924"  <br>"5579431"   "5610991"  <br>"5659622"   "5706395"  <br>"5781883"   "5819217"  <br>"5864806"   "5878389"  <br>"5937375"   "5943429"  <br>"5963899"   "5991718"  <br>"6122610").PN. OR ("6415253").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/03/13 17:12 |
| S5    | 1749 | 704/226-228,233.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/19 15:39 |
| S6    | 26   | 704/226-228,233.ccls. and ("low<br>pass" low-pass) with coefficient   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/14 11:08 |

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| S7  | 523 | 704/226-228,233.ccls. and smooth\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/14 11:10 |
| S8  | 253 | 704/226-228,233.ccls. and smooth\$3 same filter\$3                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/14 11:11 |
| S9  | 73  | 704/226-228,233.ccls. and smooth\$3 same filter\$3 and (musical tonal)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/14 11:15 |
| S10 | 35  | 704/226-228,233.ccls. and smooth\$3 same filter\$3 and ("musical noise" "tonal noise") | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/14 11:15 |
| S11 | 46  | 704/226-228,233.ccls. and smooth\$3 and ("minimum mean square error" mmse)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/19 16:13 |
| S12 | 6   | ("3431355" "3403224").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/19 15:44 |
| S13 | 9   | 704/226-228,233.ccls. and (low-pass "low pass") and ("minimum mean square error" mmse) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/19 16:17 |

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| S14 | 518  | (low-pass "low pass" smooth\$3) same filter\$3 and ("minimum mean square error" mmse) and noise                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/19 16:18 |
| S15 | 236  | (low-pass "low pass" smooth\$3) same filter\$3 and ("minimum mean square error" mmse) and noise and (speech voice vocal) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/19 16:21 |
| S16 | 7787 | (low-pass "low pass") with smooth\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:31 |
| S17 | 0    | (low-pass "low pass") with smooth\$3 and "704".ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:38 |
| S18 | 142  | (low-pass "low pass") with smooth\$3 with coefficient  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:33 |
| S19 | 20   | (low-pass "low pass") with smooth\$3 with coefficient same noise   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:37 |
| S20 | 1336 | (low-pass "low pass") with smooth\$3 same noise  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:55 |

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| S21 | 0   | ((low-pass "low pass") with smooth\$3) and "704".ccls.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:39 |
| S22 | 0   | "704".ccls. and ((low-pass "low pass") with smooth\$3)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:39 |
| S23 | 0   | "704".ccls. and ((low-pass "low pass") same smooth\$3)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:39 |
| S24 | 140 | (vad or voice adj activity adj detect\$3) with coefficient            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:58 |
| S25 | 67  | (vad or voice adj activity adj detect\$3) with coefficient same noise | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/20 16:58 |